

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 1, 2005, 11:52:00 ; Search time 652 Seconds
(without alignments)
6228.252 Million cell updates/sec

Title: US-10-751-612-1

Perfect score: 3016

Sequence: 1 tctagagcatgagcattgtgta.....gggctatgtcaagtcattg 3016

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 5915009 seqs, 673212896 residues

Total number of hits satisfying chosen parameters: 11830018

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending Patents NA New.*

- 1: /cgn2_6/prodata/2/pna/PCT_NEW_COMB.seq.*
- 2: /cgn2_6/prodata/2/pna/US06_NEW_COMB.seq.*
- 3: /cgn2_6/prodata/2/pna/US07_NEW_COMB.seq.*
- 4: /cgn2_6/prodata/2/pna/US08_NEW_COMB.seq.*
- 5: /cgn2_6/prodata/2/pna/US09_NEW_COMB.seq.*
- 6: /cgn2_6/prodata/2/pna/US10_NEW_COMB.seq.*
- 7: /cgn2_6/prodata/2/pna/US11_NEW_COMB.seq.*
- 8: /cgn2_6/prodata/2/pna/US12_NEW_COMB.seq.*
- 9: /cgn2_6/prodata/2/pna/US13_NEW_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|---------------------|
| 1 | 43.4 | 1.4 | 4001 | 7 | US-10-517-441-782 |
| 2 | 43.4 | 1.4 | 12963 | 7 | US-10-517-441-655 |
| 3 | 42.2 | 1.4 | 3201 | 6 | US-10-526-108-278 |
| 4 | 42.2 | 1.4 | 5649 | 7 | US-10-517-441-569 |
| 5 | 41.2 | 1.4 | 3201 | 6 | US-10-526-108-260 |
| 6 | 41.2 | 1.4 | 5649 | 7 | US-10-517-441-295 |
| 7 | 40.8 | 1.4 | 837 | 9 | US-60-555-875-45247 |
| 8 | 40.6 | 1.3 | 2240 | 7 | US-10-517-441-542 |
| 9 | 40.2 | 1.3 | 21561 | 8 | US-11-033-545-641 |
| 10 | 40.2 | 1.3 | 21561 | 8 | US-11-033-545-797 |
| 11 | 40.2 | 1.3 | 152768 | 9 | US-60-660-591-42 |
| 12 | 39.6 | 1.3 | 465 | 9 | US-60-555-875-32913 |
| 13 | 39.4 | 1.3 | 651 | 9 | US-60-555-875-78273 |
| 14 | 39.4 | 1.3 | 1340 | 9 | US-60-555-875-40651 |
| 15 | 39.4 | 1.3 | 1397 | 9 | US-60-555-875-59969 |
| 16 | 39.4 | 1.3 | 1870 | 9 | US-60-555-875-59969 |
| 17 | 39.4 | 1.3 | 2215 | 9 | US-60-555-875-25420 |
| 18 | 39.4 | 1.3 | 2838 | 7 | US-60-555-875-14257 |
| 19 | 39.4 | 1.3 | 12610 | 7 | US-10-517-441-715 |
| 20 | 39 | 1.3 | 2240 | 7 | US-10-517-441-268 |
| 21 | 38.8 | 1.3 | 1247 | 6 | US-10-499-065A-123 |
| 22 | 38.8 | 1.3 | 1785 | 6 | US-10-499-065A-124 |
| 23 | 38.8 | 1.3 | 2416 | 6 | US-10-499-065A-125 |
| 24 | 38.8 | 1.3 | 2501 | 6 | US-10-526-108-211 |

| | | | | | | |
|------|------|-----|-------|---|---------------------|-------------------|
| 25 | 38.4 | 1.3 | 1622 | 9 | US-60-555-875-15619 | Sequence 15619, A |
| C 26 | 38.4 | 1.3 | 24040 | 9 | US-60-555-875-69 | Sequence 69, Appl |
| C 27 | 38.2 | 1.3 | 1755 | 9 | US-60-555-875-78617 | Sequence 78617, A |
| C 28 | 38.2 | 1.3 | 1836 | 9 | US-60-555-875-14550 | Sequence 14550, A |
| C 29 | 38.2 | 1.3 | 2501 | 6 | US-10-526-108-202 | Sequence 202, App |
| C 30 | 38.2 | 1.3 | 2501 | 6 | US-10-526-108-212 | Sequence 212, App |
| C 31 | 38.2 | 1.3 | 4001 | 6 | US-10-526-108-160 | Sequence 160, App |
| C 32 | 38.2 | 1.3 | 4001 | 6 | US-10-526-108-172 | Sequence 172, App |
| C 33 | 38.2 | 1.3 | 4060 | 9 | US-60-555-875-8328 | Sequence 8328, Ap |
| C 34 | 38 | 1.3 | 803 | 9 | US-60-555-875-36665 | Sequence 36665, A |
| C 35 | 38 | 1.3 | 2946 | 9 | US-60-555-875-3469 | Sequence 3469, Ap |
| C 36 | 37.8 | 1.3 | 932 | 9 | US-60-555-875-53583 | Sequence 53583, A |
| C 37 | 37.8 | 1.3 | 980 | 9 | US-60-555-875-31184 | Sequence 31184, A |
| C 38 | 37.8 | 1.3 | 2410 | 9 | US-60-555-875-53247 | Sequence 53247, A |
| C 39 | 37.8 | 1.3 | 2410 | 9 | US-60-555-875-22583 | Sequence 22583, A |
| C 40 | 37.8 | 1.3 | 2990 | 9 | US-60-555-875-471 | Sequence 471, App |
| C 41 | 37.6 | 1.2 | 877 | 9 | US-60-555-875-45203 | Sequence 45203, A |
| C 42 | 37.6 | 1.2 | 1528 | 9 | US-60-555-875-39339 | Sequence 39339, A |
| C 43 | 37.6 | 1.2 | 4001 | 7 | US-10-517-441-508 | Sequence 508, App |
| C 44 | 37.6 | 1.2 | 9353 | 7 | US-10-517-441-735 | Sequence 735, App |
| C 45 | 37.6 | 1.2 | 12963 | 7 | US-10-517-441-381 | Sequence 381, App |

ALIGNMENTS

RESULT 1

US-10-517-441-782

; Sequence 782, Application US/10517441

; GENERAL INFORMATION:

; APPLICANT: FOKKENS, John

; APPLICANT: HARBECK, Nadia

; APPLICANT: KOENIG, Thomas

; APPLICANT: MAIER, Sabine

; APPLICANT: MARTENS, John

; APPLICANT: MODEL, Fabian

; APPLICANT: NIMMICH, Inko

; APPLICANT: RUJAN, Tamas

; APPLICANT: SCHMITT, Armin

; APPLICANT: SCHMITT, Manfred

; APPLICANT: LOOK, Maxime P.

; APPLICANT: MARX, Almuth

; APPLICANT: HOEFLE, Heinz

; TITLE OF INVENTION: Method and nucleic acids for the improved treatment of breast cell

; FILE OF INVENTION: Proliferative disorders

; FILE REFERENCE: 47675-93

; CURRENT APPLICATION NUMBER: US/10/517,441

; PRIOR FILING DATE: 2004-12-11

; PRIOR APPLICATION NUMBER: PCT/EP2003/010881

; PRIOR FILING DATE: 2003-10-01

; PRIOR APPLICATION NUMBER: DE 10317955.0

; PRIOR FILING DATE: 2003-04-17

; PRIOR APPLICATION NUMBER: DE 10300096.8

; PRIOR FILING DATE: 2003-01-07

; PRIOR APPLICATION NUMBER: DE 10245779.4

; PRIOR FILING DATE: 2002-10-01

; NUMBER OF SEQ ID NOS: 2147

; SEQ ID NO 782

; LENGTH: 4001

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-517-441-782

Query Match 1.4%; Score 43.4; DB 7; Length 4001;

Best Local Similarity 52.5%; Pred. No. 0.27;

Matches 95; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 1219 GAGGATGATCTTCTGAACTGATTCGGTGAATTAATGACTTTAGTTGTTT 1278

DB 802 GTGGATTTTTTTTTTTGGGAGGTGGTGTAGTTAGTTAGTTATTTATTGTTT 861


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; SEQ ID NO 569
; LENGTH: 5649
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-517-441-569

Query Match          1.4%; Score 42.2; DB 7; Length 5649;
Best Local Similarity 55.0%; Pred. No. 0.66;
Matches 83; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

QY 2023 TAAAAATATAATCTTGAGCTAAAGTGAAGAGAGAGCTATTTTTTTTGTCTCCCAATAC 2082
    |||||
Db 3465 TAATAAAACCTTATAACACAAACAAAAACAAACAACTATAATTAACCTCAAAATAC 3406

QY 2083 ATGATAGATACATATGAGAGAAAAATATATGAATAAGAAACACATTACATCCAGCCA 2142
    |||||
Db 3405 AAAATAAAAAAACAACAAAAACAAAAAACAACAAAAAATAATTAATCTCAACATAATACCTA 3346

QY 2143 TACAATATGAGATTTCATCTTAAGAGCAACA 2173
    |||||
Db 3345 AATAATAAATAATCTTATACAAACAAACACC 3315
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RESULT 5
US-10-526-108-260/c
; Sequence 260, Application US/10526108
; GENERAL INFORMATION:
; APPLICANT: Maier, Sabine
; TITLE OF INVENTION: METHOD AND NUCLEIC ACIDS FOR THE ANALYSIS OF BREAST CELL PROLIFERATION
; FILE REFERENCE: 47675-102
; CURRENT APPLICATION NUMBER: US/10/526,108
; CURRENT FILING DATE: 2005-02-28
; PRIOR APPLICATION NUMBER: PCT/EP2003/007827
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: DE10255104.9
; PRIOR FILING DATE: 2002-11-26
; PRIOR APPLICATION NUMBER: DE10239313.3
; PRIOR FILING DATE: 2002-08-27
; NUMBER OF SEQ ID NOS: 396
; SEQ ID NO 260
; LENGTH: 3201
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-526-108-260
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Query Match          1.4%; Score 41.2; DB 6; Length 3201;
Best Local Similarity 54.7%; Pred. No. 0.97;
Matches 82; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

QY 2023 TAAAAATATAATCTTGAGCTAAAGTGAAGAGAGAGCTATTTTTTTTGTCTCCCAATAC 2082
    |||||
Db 468 TAATAAAACCTTATAACACAAACAAAAACAAACAACTATAATTAACCTCAAAATAC 409

QY 2083 ATGATAGATACATATGAGAGAAAAATATATGAATAAGAAACACATTACATCCAGCCA 2142
    |||||
Db 408 AAAATAAAAAAACAACAAAAACAAAAAACAACAAAAAATAATTAATCTCGACATAATACCTA 349

QY 2143 TACAATATGAGATTTCATCTTAAGAGCAAC 2172
    |||||
Db 348 AATAATAAATAATCTTATACAAACAAACACC 319
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```
RESULT 6
US-10-517-441-295/c
; Sequence 295, Application US/10517441
; GENERAL INFORMATION:
; APPLICANT: FOEKENS, John
; APPLICANT: HARBECK, Nadia
```

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; APPLICANT: KOENIG, Thomas
; APPLICANT: MAIER, Sabine
; APPLICANT: MARTENS, John
; APPLICANT: MODEL, Fabian
; APPLICANT: NIMMICH, Inko
; APPLICANT: RUJAN, Tamas
; APPLICANT: SCHMITT, Armin
; APPLICANT: SCHMITT, Manfred
; APPLICANT: LOOK, Maxine P.
; APPLICANT: MARX, Almuth
; APPLICANT: HOFER, Heinz
; TITLE OF INVENTION: Method and nucleic acids for the improved treatment of breast cell
; FILE REFERENCE: 47675-93
; CURRENT APPLICATION NUMBER: US/10/517,441
; CURRENT FILING DATE: 2004-12-11
; PRIOR APPLICATION NUMBER: PCT/EP2003/010881
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: DE 10317955.0
; PRIOR FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: DE 10300096.8
; PRIOR FILING DATE: 2003-01-07
; PRIOR APPLICATION NUMBER: DE 10245779.4
; PRIOR FILING DATE: 2002-10-01
; NUMBER OF SEQ ID NOS: 2147
; SEQ ID NO 295
; LENGTH: 5649
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-517-441-295
```

```
Query Match          1.4%; Score 41.2; DB 7; Length 5649;
Best Local Similarity 54.7%; Pred. No. 1.2;
Matches 82; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

QY 2023 TAAAAATATAATCTTGAGCTAAAGTGAAGAGAGAGCTATTTTTTTTGTCTCCCAATAC 2082
    |||||
Db 3465 TAATAAAACCTTATAACACAAACAAAAACAAACAACTATAATTAACCTCAAAATAC 3406

QY 2083 ATGATAGATACATATGAGAGAAAAATATATGAATAAGAAACACATTACATCCAGCCA 2142
    |||||
Db 3405 AAAATAAAAAAACAACAAAAACAAAAAACAACAAAAAATAATTAATCTCGACATAATACCTA 3346

QY 2143 TACAATATGAGATTTCATCTTAAGAGCAAC 2172
    |||||
Db 3345 AATAATAAATAATCTTATACAAACAAACACC 3316
```

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RESULT 7
US-60-655-875-45247/c
; Sequence 45247, Application US/60655875
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey
; APPLICANT: Du, Zijing
; APPLICANT: Guo, Liang
; APPLICANT: Kovalic, David
; APPLICANT: Lu, Maolong
; APPLICANT: McCarter, James
; APPLICANT: Miller, Nancy
; APPLICANT: Williams, Deryck
; APPLICANT: Vaudin, Mark
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS
; FILE REFERENCE: 38-21(53885)
; CURRENT APPLICATION NUMBER: US/60/655,875
; CURRENT FILING DATE: 2005-02-24
; NUMBER OF SEQ ID NOS: 171306
; SEQ ID NO 45247
; LENGTH: 837
; TYPE: DNA
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; ORGANISM: Heterodera glycines
US-60-655-875-45247

Query Match      1.4%; Score 40.8; DB 9; Length 837;
Best Local Similarity 50.0%; Pred. No. 0.71;
Matches 102; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 1223 ATGACTATTTCTGGAAGCTGCGTGAGCTTATTAATTTGACTTTTACTTTGTTGAGC 1282
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 461 ATGAACCTTTTCTAGAAAAATTTAATGCAATTTTAAATTTTGGGTTCAAAATA 402

QY 1283 ATGAAGCTTCTGAACCTATGAAATTTATGATGATGTTGCTTGTGAGCTACTCCGCTCTACA 1342
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 401 ATGTTTCTCTCTTTTAAATTTAAATTTATATAAGACAAATTTGAAAAATTTAATTTAAT 342

QY 1343 TTTAGTTGGTATCAATAAATTTATATATATATATATATATATATATATATATATATATATATAT 1402
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 341 TTTATTTTATTTGCTAAAAAATATGCGTTTTCAAATTTGACTTTTATTTAAAAATATGATTTT 282

QY 1403 TTGACTCTTCAAGATTTCTTGGAT 1426
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 281 TTTTATATTTTAAATGTTTTTATT 258

RESULT 8
US-10-517-441-542
; Sequence 542, Application US/10517441
; GENERAL INFORMATION:
; APPLICANT: FOEKENS, John
; APPLICANT: HARBECK, Nadia
; APPLICANT: KOENIG, Thomas
; APPLICANT: MAIER, Sabine
; APPLICANT: MARTENS, John
; APPLICANT: MODEL, Fabian
; APPLICANT: NIMMICH, Inko
; APPLICANT: RUJAN, Tamas
; APPLICANT: SCHMITT, Armin
; APPLICANT: SCHMITT, Manfred
; APPLICANT: LOOK, Maxime P.
; APPLICANT: MARK, Almuth
; APPLICANT: HOFELER, Heinz
; TITLE OF INVENTION: Method and nucleic acids for the improved treatment of breast cel
; FILE REFERENCE: 47675-93
; CURRENT APPLICATION NUMBER: US/10/517,441
; CURRENT FILING DATE: 2004-12-11
; PRIOR APPLICATION NUMBER: PCT/EP2003/010881
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: DE 10317955.0
; PRIOR FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: DE 10300096.8
; PRIOR FILING DATE: 2003-01-07
; PRIOR APPLICATION NUMBER: DE 10245779.4
; PRIOR FILING DATE: 2002-10-01
; NUMBER OF SEQ ID NOS: 2147
; SEQ ID NO 542
; LENGTH: 2240
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
US-10-517-441-542

Query Match      1.3%; Score 40.6; DB 7; Length 2240;
Best Local Similarity 48.5%; Pred. No. 1.2;
Matches 142; Conservative 0; Mismatches 149; Indels 2; Gaps 1;

QY 1098 TATTGTTTGGAAATTTTCTCTCACAAGAGTAGCTTTTATAGCGGCATAAAGCT 1157
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 289 TATTTTATTTTATATAATGGTAAAGTGTGTTGGTTGGTAAAGTAAAGT 348

QY 1158 ATCATGTCGACCGCAGCTTTAATPATTATATACCATATGAATATCATGTGCAACTA 1217
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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Db 349 GTTAATTAATAAATGTAAGTGTTATTTATAGTATATATATATATATATATATATATATATATATAT 408
QY 1218 TGAGGATGATCTTTTCTGAAGTGATTCGGTGAGTTATTAATAATCTACTTTTGTAGTTGTT 1277
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 409 ATGTGTTGATAAATTTTATAAGGATTTTAAATATGTTTTCGAGGTTGATTTTTTTTAAAT 468
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1278 TGAGCATGAAGGTCTGCACTATGAATTTATGATGT--ATTGTGGCTTGTGAGCTACTCCG 1335
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 469 TTTTAAAGTATATTTTATTAAGTGTTTTATATATTTTAAATTTTGTGAAGTTTTTTTATT 528
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1336 CTCCTACATTTAGTGTGATCATATAAATATTTATATATATATATATATATATATATATATATAT 1388
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 529 AATTATATTTGTTTGTAAAGATAAAATTTTAAATAATTTTGTAAATAATTTGTT 581

RESULT 9
US-11-033-545-641/c
; Sequence 641, Application US/11033545
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/11/033,545
; CURRENT FILING DATE: 2005-01-12
; PRIOR APPLICATION NUMBER: 60/231,401
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 10823
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 641
; LENGTH: 21561
; TYPE: DNA
; ORGANISM: Human
US-11-033-545-641

Query Match      1.3%; Score 40.2; DB 8; Length 21561;
Best Local Similarity 47.8%; Pred. No. 4;
Matches 117; Conservative 0; Mismatches 128; Indels 0; Gaps 0;

QY 1176 TTTAATATTTAACTTATACCATATGAATATCATGTGCACTATGAGATGATACTTTTCT 1235
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2565 TTATATGTTATATATATATAATAATAATAATATGTTATATATATATATATATATATATATA 2506
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1236 GAACGTGATTCGCTGAGTTATTAAATTTGACTTTTGTAGTTGTTTGAGCATGAAGCTCGAA 1295
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2505 ATATATAATTTATGTTATATATATATATATATATATATATATATATATATATATATATAT 2446
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1296 CTATGAATTTATGATGTTTGTGGCTTGTGAGCTACTCCGCTCTACATTTAGTTGGTATC 1355
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2445 TTATATGTTATATATATATAATAATAATAATAATAATAATAATAATAATAATAATAATAATA 2386
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1356 ATAAATATTTATATATATATATATATATATATATATATATATATATATATATATATATAT 1415
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2385 ATATATAAATTTGTTATATATATATATATATATATATATATATATATATATATATATATAT 2326
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1416 ATTCT 1420
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 2325 ATTAT 2321
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 10
US-11-033-545-797/c
; Sequence 797, Application US/11033545
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH INFLAMMATORY AUTOIMMUNE DISEASE, METHODS OF DETECTION
; FILE REFERENCE: CL000790
; CURRENT APPLICATION NUMBER: US/11/033,545
; CURRENT FILING DATE: 2005-01-12
; PRIOR APPLICATION NUMBER: 60/231,401
```

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: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 10823
: SOFTWARE: FastSEQ for Windows Version 4.0
: SEQ ID NO 797
: LENGTH: 21561
: TYPE: DNA
: ORGANISM: Human
US-11-033-545-797

      1356  ATAAATATTTATTTATTTATTCATATATTAATTTGATCAACTTGAGATGCTTGACTCTTCAAG 1415
      |||||
      15415  ATATTTATATATCATATATATTTATTAATTAATTTATATATCATATATATATATA 15355
      |||||
      1416  ATTCTTGGAAATGACTTATCAT 1436
      |||||
      15355  TTATATATATTTATATATCAT 15335
      |||||

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| | | | | |
|-----------------------|-----------------|---|-----------|---------------|
| Query Match | 1.38; | Score 40.2; | DB 8; | Length 21561; |
| Best Local Similarity | 47.8%; | Pred. No. 4; | | |
| Matches 117; | Conservative 0; | Mismatches 128; | Indels 0; | Gaps 0; |
| Qy | 1176 | TTTTAAATTTAACTTATACCATATGATATCATGCTCGAACTATGAGATGATACTTTTCT | 1235 | |
| Db | 2565 | TTATATGTAATTATATATATTAATATATTAATTTATGTTATATATTATGTAATTATATATATA | 2506 | |
| Qy | 1236 | GAACGGTATTGCGTGAGCTTATTTAAATTTGTACTTTTTCGTTGAGCATCAAGGCTCTGAA | 1295 | |
| Db | 2505 | ATATATAATTTATGTTATATATTATGCTATTTATATATAATATATAATTTATGTTACATA | 2446 | |
| Qy | 1296 | CTATGAATTTATGATGTAATTTGGCTTTGTGAGCTACTCCGCTCTACATTTAGTTGGTATC | 1355 | |
| Db | 2445 | TTATATGTAATTATATATAATAATAATAATTTATGTTATATATTATATGTAATTATATATA | 2386 | |
| Qy | 1356 | ATAAAATTTATATATATCATATAAATTTGATCAACTTGAGAGCTTTTGACTCTTCAAG | 1415 | |
| Db | 2385 | ATATATAATTTGTTATATATTATATATGTAATTATATAATAATATATACAAATATAT | 2326 | |
| Qy | 1416 | ATTCT 1420 | | |
| Db | 2325 | ATTAT 2321 | | |

```

RESULT 11
US-60-660-591-42/c
; Sequence 42, Application US/60660591
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Ming-yi Chiang
; APPLICANT: Nicholas M. Dean
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Susan M. Freier
; APPLICANT: John Geisler
; APPLICANT: Ravi Jain
; APPLICANT: Xing-xian Yu
; TITLE OF INVENTION: COMPOSITIONS AND THEIR USES DIRECTED TO METABOLISM GENES
; FILE REFERENCE: DPTK-0073US L
; CURRENT APPLICATION NUMBER: US/60/660,591
; CURRENT FILING DATE: 2005-03-10
; NUMBER OF SEQ ID NOS: 2263
; SOFTWARE: PatentSeq version 1.0
; SEQ ID NO 42
; LENGTH: 152768
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-660-591-42

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| Query Match | 1.3% | Score 40.2; | DB 9; | Length 152768; |
|-----------------------|-----------------|---|-----------|----------------|
| Best Local Similarity | 47.1%; | Pred. No. 9.2; | | |
| Matches 123; | Conservative 0; | Mismatches 138; | Indels 0; | Gaps 0; |
| Qy' | 1176 | TTTAAATATTAACTTATACCATATGAATATCATGTGGAACATATGAGGATGATACATCTTTCT | 1235 | |
| Db | 15595 | TATATATTATTTATATATCAT | 1553 | |
| Qy | 1236 | GAACGTGATTGCGTAGTTTAAATTTGTTACTTTTATAGTTGTTTGGAGCATGGAAGGCTGAA | 1295 | |
| Db | 15535 | ATATTATATATCATATATATTTA | 15476 | |
| Qy | 1296 | CTATGAATTTATCATGTATTTGTGGCTTGGAGGACTCCGCTACATTTAGTTGGTATNC | 1355 | |
| Db | 15475 | ATAATTATATATCATA | 15411 | |

[illegible]

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RESULT 12
US-60-655-875-32913/c
; Sequence 32913, Application US/60655875
; GENERAL INFORMATION:
; APPLICANT: Boukharov, Andrey
; APPLICANT: Du, Zijing
; APPLICANT: Guo, Liang
; APPLICANT: Kovalic, David
; APPLICANT: Lu, Maolong
; APPLICANT: McCarter, James
; APPLICANT: Miller, Nancy
; APPLICANT: Williams, Deryck
; APPLICANT: Vaudin, Mark
; APPLICANT: Wu, Wei
; TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS
; TITLE OF INVENTION: IN PLANTS AND COMPOSITIONS THEREOF
; FILE REFERENCE: 38-21(53885)
; CURRENT APPLICATION NUMBER: US/60/655,875
; CURRENT FILING DATE: 2005-02-24
; NUMBER OF SEQ ID NOS: 171306
; SEQ ID NO 32913
; LENGTH: 465
; TYPE: DNA
; ORGANISM: Heterodera glycines
US-60-655-875-32913

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| | Query Match Best Local Matches | Similarity 58.5%; 69; Conservative | Score 1.3%; 0; Mismatches | DB 9; Indels | Length 465; 0; Gaps |
|----|--------------------------------------|---|---------------------------------|-----------------|---------------------------|
| Qy | 1292 | TGAACATATGAATTTATGATGTAATGTGGCGCTTGTGAGCTACTCGCCTCTACATTTAGTTGG | 1351 | | |
| Db | 213 | TAAATTTACATTTATTTTGTATTTTGGTTCTAAATGATTCATATTCATTTAGCTAT | 154 | | |
| Qy | 1352 | TATCATAAATATTTATTTATTTATTCATATAAAATTTGATCAACTTGAGATGCTTGAAGTC | 1409 | | |
| Db | 153 | TTTCGAGATTTTATGCTTTAAATTTAAACAAATTTGAAGAAATTTGTGAAATATTTTGCCC | 96 | | |

RESULT 13
US-60-655-875-78273
Sequence 78273, Application US/60655875
GENERAL INFORMATION:
APPLICANT: Boukharov, Andrey
APPLICANT: Du, Zijiang
APPLICANT: Guo, Liang
APPLICANT: Kovalic, David
APPLICANT: Lu, Maolong
APPLICANT: McCarter, James
APPLICANT: Miller, Nancy
APPLICANT: Williams, Deryck
APPLICANT: Vaudin, Mark
APPLICANT: Wu, Wei
TITLE OF INVENTION: METHODS FOR GENETIC CONTROL OF HETERODERA INFESTATIONS
TITLE OF INVENTION: IN PLANTS AND COMPOSITIONS THEREOF
FILE REFERENCE: 38-21(53885)
CURRENT APPLICATION NUMBER: US/60/655,875
CURRENT FILING DATE: 2005-02-24
NUMBER OF SEQ ID NOS: 171306
SEQ ID NO 78273
LENGTH: 651
TYPE: DNA
ORGANISM: Heterodera glycines

Db 824 GAAAGAAATGGAAATAAAATTGAAAGAAATAATTCGAAAAAATGGGACATATCGCAAA 883
QY 2444 CCAACACATAAAGAGTTAAATGCATGGTAGGCTC 2476
Db 884 ATATTATGAATGGATTAAAGAAATGGGGCTTC 916

Search completed: April 1, 2005, 14:50:22
Job time : 655 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 1, 2005, 11:52:02 ; Search time 11110 Seconds
(without alignments)
11082.115 Million cell updates/sec

Title: US-10-751-612-1
Perfect score: 3016
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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 45554873 seqs, 20411521753 residues

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Post-processing: Minimum Match 0%

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Listing first 45 summaries

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SUMMARIES

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ALIGNMENTS

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; Sequence 1, Application PC/TUS0400113
; GENERAL INFORMATION:
; APPLICANT: The Texas A&M University System
; TITLE OF INVENTION: STEM-REGULATED, PLANT DEFENSE PROMOTER
; TITLE OF INVENTION: AND USES THEREOF IN TISSUE-SPECIFIC EXPRESSION IN MONOCOTS
; FILE REFERENCE: 017575.0893
; CURRENT APPLICATION NUMBER: PCT/US04/00113
; PRIOR FILING DATE: 2004-01-05
; PRIOR APPLICATION NUMBER: 60/437,890
; PRIOR FILING DATE: 2003-01-03
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Matches 3016; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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1261 TTGTACTTTTGTAGTGTGTTGAGCATGAAGGTCTGAACCTATGAATTTATGATGATTTGTCG 1320
1261 TTGTACTTTTGTAGTGTGTTGAGCATGAAGGTCTGAACCTATGAATTTATGATGATTTGTCG 1320
1321 TTGTAGCTTACTCCGCTCTACATTTAGTTGGTATCATAAATATTTATATTTATCATATA 1380
1321 TTGTAGCTTACTCCGCTCTACATTTAGTTGGTATCATAAATATTTATATTTATCATATA 1380
1381 AATTTGATCAACTGAGATGCTTTGATCTTTCAAGATTTCTGGAATGACTATATTTGG 1440
1381 AATTTGATCAACTGAGATGCTTTGATCTTTCAAGATTTCTGGAATGACTATATTTGG 1440
1441 GGTAGGGAGTGGTTTCTAAGGCCAGTCTCAGTGGGGTTTCTCAGAGTTTCTATGGACAT 1500
1441 GGTAGGGAGTGGTTTCTAAGGCCAGTCTCAGTGGGGTTTCTCAGAGTTTCTATGGACAT 1500
1501 TAAATAGCTGATGTGACACCGTATTTGATGAAGAGAGATGATGAAGAGTTTCTATCGCGAG 1560
1501 TAAATAGCTGATGTGACACCGTATTTGATGAAGAGAGATGATGAAGAGTTTCTATCGCGAG 1560
1561 TAGAGAGAGTTTCAAGGGATGAAGTCTTTCTTCACTGTTTCCAAATATAGATGATG 1620
1561 TAGAGAGAGTTTCAAGGGATGAAGTCTTTCTTCACTGTTTCCAAATATAGATGATG 1620
1621 GTAAGAGGCCATGAATCTTAGTGACACTGACCTTAAGATGAGATTGACTTAGACTTA 1680
1621 GTAAGAGGCCATGAATCTTAGTGACACTGACCTTAAGATGAGATTGACTTAGACTTA 1680

1681 TGTTTCAAAATCTGCATGATGATGCTTTGAATATTTGTAACCTCACATTAATCCCTC 1740
1681 TGTTTCAAAATCTGCATGATGATGCTTTGAATATTTGTAACCTCACATTAATCCCTC 1740
1741 ACATATGATGCAAAACGGGCGGTGACGCAAAAGAAATTCAGTGAAGATGACATGAATAA 1800
1741 ACATATGATGCAAAACGGGCGGTGACGCAAAAGAAATTCAGTGAAGATGACATGAATAA 1800
1801 TAAAGTAAATGCTTTGGCTTCAATCCCGGCTTAAATGCTCGACAGAAAACACGTCGGT 1860
1801 TAAAGTAAATGCTTTGGCTTCAATCCCGGCTTAAATGCTCGACAGAAAACACGTCGGT 1860
1861 AGTCAAGGTGTGCTTAAACAACTGCGGTTCACTGTAAACACACGTTCACTGAGAAA 1920
1861 AGTCAAGGTGTGCTTAAACAACTGCGGTTCACTGTAAACACACGTTCACTGAGAAA 1920
1921 CGGCTTGGAGGATTTAGATACAACTTCAATTTATCTTAAAGGCGCTTCAATTTGTCTAG 1980
1921 CGGCTTGGAGGATTTAGATACAACTTCAATTTATCTTAAAGGCGCTTCAATTTGTCTAG 1980
1981 CTCTAACTAGTTTATGTCACGCTGAGGAGGAGGCTTAAATAATATATCTTTGAG 2040
1981 CTCTAACTAGTTTATGTCACGCTGAGGAGGAGGCTTAAATAATATATCTTTGAG 2040
2041 CTAAGCTGAAGAGAGAGCTATTTTTTTGCTCCCCAATACATGATGATGATGATGATG 2100
2041 CTAAGCTGAAGAGAGAGCTATTTTTTTGCTCCCCAATACATGATGATGATGATGATG 2100
2101 GAGAAAAATATATGAATAAAGAACATTTTATCATGTCAGGCGATACATATGATGATTT 2160
2101 GAGAAAAATATATGAATAAAGAACATTTTATCATGTCAGGCGATACATATGATGATTT 2160
2161 CTAAGGCGCAACCTGCTGCTGTTGTAAGGTGCTCTAGTTGAGGTGCTGATCTTT 2220
2161 CTAAGGCGCAACCTGCTGCTGTTGTAAGGTGCTCTAGTTGAGGTGCTGATCTTT 2220
2221 TAGTTTGTAGTGAAGACCTAGTTAGTCTCTTTTCTTTGCTAGGTTTATGTTGTG 2280
2221 TAGTTTGTAGTGAAGACCTAGTTAGTCTCTTTTCTTTGCTAGGTTTATGTTGTG 2280
2281 TTTTGGCTGCGAAGTGTGAAACCACTCAAGGTAAAGTCCCATCTTAATTTCTAAATGATGC 2340
2281 TTTTGGCTGCGAAGTGTGAAACCACTCAAGGTAAAGTCCCATCTTAATTTCTAAATGATGC 2340
2341 CAAATAAAGATAGATTAACAAAGTTAAAGCGGAAACCTTAAATAGATGGAAGTT 2400
2341 CAAATAAAGATAGATTAACAAAGTTAAAGCGGAAACCTTAAATAGATGGAAGTT 2400
2401 TTGTAGAGTAATTAATGGTATGAAGTGGCGAAGTGGACCAACCAACATAAAGATTA 2460
2401 TTGTAGAGTAATTAATGGTATGAAGTGGCGAAGTGGACCAACCAACATAAAGATTA 2460
2461 AATGATGATGAGTCTTTGATCTTGTCTGGAGGTGCGACTTAGGTCACAACTCTCAAA 2520
2461 AATGATGATGAGTCTTTGATCTTGTCTGGAGGTGCGACTTAGGTCACAACTCTCAAA 2520
2521 TTGCACTTTTGACACCCCTAACTGTTTCAAGGTGCGACTTAGATCTCAAACTCTCAAA 2580
2521 TTGCACTTTTGACACCCCTAACTGTTTCAAGGTGCGACTTAGATCTCAAACTCTCAAA 2580
2581 ATGCACTTTCTGATACCTTAGTGTGTTCAAGTGTGCTACTTAGGCAAGAAAGTTAGATA 2640
2581 ATGCACTTTCTGATACCTTAGTGTGTTCAAGTGTGCTACTTAGGCAAGAAAGTTAGATA 2640
2641 ATTTTGTATGATGAGTATGGGACCAAAATTAATTTATGATGATGCTCGAACTAGTTGAT 2700
2641 ATTTTGTATGATGAGTATGGGACCAAAATTAATTTATGATGATGCTCGAACTAGTTGAT 2700
2701 GATGACCCCAATAATAGACACTAGTTTCTGCTGCTTTCTTTGATAGTACTAGTCTAGT 2760
2701 GATGACCCCAATAATAGACACTAGTTTCTGCTGCTTTCTTTGATAGTACTAGTCTAGT 2760
2761 ATAACTTTTCAAGTTGTAGCTACTACTTTAGCTTATATCTCCGCATATTTCAATCAATA 2820

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Db 2761 ATAACTTTTCAAGTTGAGTACTACTTTAGCTTATATCTCGCATATTAACAATA 2820
Qy 2821 GAATTCGGAAGTACTATAAAGCGGAGCCCTATAAATGAGAGAGTTTTCATCATGAGGCTA 2880
Db 2821 GAATTCGGAAGTACTATAAAGCGGAGCCCTATAAATGAGAGAGTTTTCATCATGAGGCTA 2880
Qy 2881 TAACAACCTTGACCAAAACAGAGCCGTGGCCATGGGCTCAGCAAGGAGCAACACACA 2940
Db 2881 TAACAACCTTGACCAAAACAGAGCCGTGGCCATGGGCTCAGCAAGGAGCAACACACA 2940
Qy 2941 AGCACTGATCAGCAGCGCGTGTGATGCTCAGCTCCAGCTCTGGCACCACACACCTGGC 3000
Db 2941 AGCACTGATCAGCAGCGCGTGTGATGCTCAGCTCCAGCTCTGGCACCACACACCTGGC 3000
Qy 3001 TATGTCAAGTCCATGG 3016
Db 3001 TATGTCAAGTCCATGG 3016

RESULT 2
US-10-751-612-1
; Sequence 1, Application US/10751612
; GENERAL INFORMATION:
; APPLICANT: Mirkov, T. Erik
; APPLICANT: Damaj, Mona B.
; APPLICANT: Reddy, Avutu,
; APPLICANT: Thomas, Terry L.,
; APPLICANT: Rathore, Keerti S.,
; APPLICANT: Emami, Chandrakanth,
; APPLICANT: Kumpatla, Silva Prasad
; TITLE OF INVENTION: STEM-REGULATED, PLANT DEFENSE PROMOTER
; FILE REFERENCE: 017575.0774
; CURRENT APPLICATION NUMBER: US/10751.612
; CURRENT FILING DATE: 2004-01-05
; PRIOR FILING DATE: 2003-01-03
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 3016
; TYPE: DNA
; ORGANISM: Sugarcane
; FEATURE:
; NAME/KEY: promoter
; LOCATION: (1)...(3012)
; OTHER INFORMATION: o-methyltransferase promoter
; FEATURE:
; NAME/KEY: CAAT signal
; LOCATION: (2661)...(2664)
; NAME/KEY: TATA signal
; LOCATION: (2849)...(2855)
US-10-751-612-1

Query Match 100.0%; Score 3016; DB 62; Length 3016;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3016; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCTAGACATAGGCAATGTAAGCGGTATGCCTCTTCTTCACTGAGTAGGTCGGTCTCGTTGGAT 120
Db 1 TCTAGACATAGGCAATGTAAGCGGTATGCCTCTTCTTCACTGAGTAGGTCGGTCTCGTTGGAT 120
Qy 61 ACCTTAGGATCTCTGCTTCCATAGAAATTTTCACTGAGTAGGTCGGTCTCGTTGGAT 120
Db 61 ACCTTAGGATCTCTGCTTCCATAGAAATTTTCACTGAGTAGGTCGGTCTCGTTGGAT 120
Qy 121 TTGTAGCGGTTTCATGCCAAAATAAGTTAGAAAATCGTGGCAAACTTGCAATGGAAGTTAAA 180
Db 121 TTGTAGCGGTTTCATGCCAAAATAAGTTAGAAAATCGTGGCAAACTTGCAATGGAAGTTAAA 180
Qy 181 TTGTAATAATATTTGGCATACAGCAAAACAAATATAGATTAAGATGGTAAATCCAAATATGAC 240
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Db 181 TTTGAATAATTTTGCATAGCAAAACAAATATAGATTAAGATGGTAAATCCAAATATGAC 240
Qy 241 TTGCATTTTCTAACTCTATTGCTACTGTCAGATGAAGAATCTTGATCTGGAGAGTTT 300
Db 241 TTGCATTTTCTAACTCTATTGCTACTGTCAGATGAAGAATCTTGATCTGGAGAGTTT 300
Qy 301 TGTGAGAAATGTGACAAACACCGGAGGTTCATATCAAGATTCTGGGTACCCCGCGAGAAATCG 360
Db 301 TGTGAGAAATGTGACAAACACCGGAGGTTCATATCAAGATTCTGGGTACCCCGCGAGAAATCG 360
Qy 361 GCCTCCATGTAGTTAGCTTCTGTCAGCATGGGGGAAATTTGGCTGAGATGCCCCCATGTAG 420
Db 361 GCCTCCATGTAGTTAGCTTCTGTCAGCATGGGGGAAATTTGGCTGAGATGCCCCCATGTAG 420
Qy 421 TCCTCAGGCATGAGAGTAGTACTGGCTGAGATGCCATTGTTGTGTAGATCCAGAGAAAACGAG 480
Db 421 TCCTCAGGCATGAGAGTAGTACTGGCTGAGATGCCATTGTTGTGTAGATCCAGAGAAAACGAG 480
Qy 481 AAGAATGCTAGTCTAATAATACCCCTTCGTATGCTAAACCAACTATTATATTTGGCAACAT 540
Db 481 AAGAATGCTAGTCTAATAATACCCCTTCGTATGCTAAACCAACTATTATATTTGGCAACAT 540
Qy 541 TTTTTCATGCTAGCGCCTTTTTCCTGCTTTTATTTAAATTTCAATTTGGGTCCGATAAGCATG 600
Db 541 TTTTTCATGCTAGCGCCTTTTTCCTGCTTTTATTTAAATTTCAATTTGGGTCCGATAAGCATG 600
Qy 601 TGAACGTGGAGACGGTTCCGTGGACGGCTCCGTTTTCTTGTGTAGCTACGGCGTGGACG 660
Db 601 TGAACGTGGAGACGGTTCCGTGGACGGCTCCGTTTTCTTGTGTAGCTACGGCGTGGACG 660
Qy 661 GAGAAAGGTGAGGCGCTATCTCTAAAGGGGAACGAATCGATGGTGGTGGGGA 720
Db 661 GAGAAAGGTGAGGCGCTATCTCTAAAGGGGAACGAATCGATGGTGGTGGGGA 720
Qy 721 GACACCGAAGGAGACATGCCGAGGAGGACACAAGCTTTCAGCAGGGCTCTCCAGACTCTCA 780
Db 721 GACACCGAAGGAGACATGCCGAGGAGGACACAAGCTTTCAGCAGGGCTCTCCAGACTCTCA 780
Qy 781 GAAGAAAGAAAGCTCACGGCACGGTTGCGGTGCTTCTGTGCTGCTGTCTCGTGGTG 840
Db 781 GAAGAAAGAAAGCTCACGGCACGGTTGCGGTGCTTCTGTGCTGCTGTCTCGTGGTG 840
Qy 841 CAGCTTTCTGTGATCACGCTGAAATCGACCGCGCGGACCAACAGGAGGTCAGCTCGG 900
Db 841 CAGCTTTCTGTGATCACGCTGAAATCGACCGCGCGGACCAACAGGAGGTCAGCTCGG 900
Qy 901 CCACCTCGTCTCCGAGCGATGAGTGACCGTTCCGTCCGCGGTTCCTTTCTCGTGGTGC 960
Db 901 CCACCTCGTCTCCGAGCGATGAGTGACCGTTCCGTCCGCGGTTCCTTTCTCGTGGTGC 960
Qy 961 CGTGCACGCTCTCGGTTCAACCGGACCCCTGAAACCAATCAGAACGTTCCCTTTACAGG 1020
Db 961 CGTGCACGCTCTCGGTTCAACCGGACCCCTGAAACCAATCAGAACGTTCCCTTTACAGG 1020
Qy 1021 GAAAGGCAACAGTCTGATAAACCTCTCTGTTTCCATGCTCTCTAAACCGGAGAGCGGAC 1080
Db 1021 GAAAGGCAACAGTCTGATAAACCTCTCTGTTTCCATGCTCTCTAAACCGGAGAGCGGAC 1080
Qy 1081 GCAAGACTTGAAGTCTATTTGTTGCGAAATTTTCTCTCAAAAAGCTAGCTTTTAT 1140
Db 1081 GCAAGACTTGAAGTCTATTTGTTGCGAAATTTTCTCTCAAAAAGCTAGCTTTTAT 1140
Qy 1141 AGACGGGCAATAAAGCTATCATGTCGCGGACCGTTAAATTTAACTTATACCATATG 1200
Db 1141 AGACGGGCAATAAAGCTATCATGTCGCGGACCGTTAAATTTAACTTATACCATATG 1200
Qy 1201 AATATCATGTCGAACCTATGAGGATGATATTTTCTGAAACGCTGATTCGCTGAGTTATAA 1260
Db 1201 AATATCATGTCGAACCTATGAGGATGATATTTTCTGAAACGCTGATTCGCTGAGTTATAA 1260
Qy 1261 TTGTACTTTTGTGAGTGAAGCTGGAACCTATGAATTTTATGATGATTTGTGGC 1320
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Db 1261 TTGTACTTTTGTGTTGTGAGCAAGAGTCTGAACATATGAATTTATGATGTTATGTGGC 1320
QY 1321 TTGTGAGCTACTCGCTCTACATTTAGTTGGTATCATAAATATTAATATTAATATCATATA 1380
Db 1321 TTGTGAGCTACTCGCTCTACATTTAGTTGGTATCATAAATATTAATATTAATATCATATA 1380
QY 1381 AATTGATCAACTGTGAGATGCTTTGACTCTTCAAGATTTCTTGAAGTACTTATCATTTGG 1440
Db 1381 AATTGATCAACTGTGAGATGCTTTGACTCTTCAAGATTTCTTGAAGTACTTATCATTTGG 1440
QY 1441 GGTAGGAGTGTAGTTTCTAAGGCCACTCTCAGTGGGTTTCATCAGATTTTCATGACAT 1500
Db 1441 GGTAGGAGTGTAGTTTCTAAGGCCACTCTCAGTGGGTTTCATCAGATTTTCATGACAT 1500
QY 1501 TAAATAGCTGATGTGACACCGTATTTGATGAAGAGAGATGATGAAGAGTTTCATCGAG 1560
Db 1501 TAAATAGCTGATGTGACACCGTATTTGATGAAGAGAGATGATGAAGAGTTTCATCGAG 1560
QY 1561 TAGAGAGATTTTCATGGGATGAACCTCTTCTTCACTGTTCCTCAAAATATAGATGCAATG 1620
Db 1561 TAGAGAGATTTTCATGGGATGAACCTCTTCTTCACTGTTCCTCAAAATATAGATGCAATG 1620
QY 1621 GTAAGAGGCCATGAATCTTAGTGACACTGACCTAAGATGAGATGACTCTAGCACTA 1680
Db 1621 GTAAGAGGCCATGAATCTTAGTGACACTGACCTAAGATGAGATGACTCTAGCACTA 1680
QY 1681 TGTTCCTCAAAATCTGATGATGATGCTGTTGAATATTGTAACCTCACATTAACCTCCCTC 1740
Db 1681 TGTTCCTCAAAATCTGATGATGATGCTGTTGAATATTGTAACCTCACATTAACCTCCCTC 1740
QY 1741 ACACATGCTAATGCAACCGGCGGTGCGCAAAAGAAATTGAGTGAAGATGCACATGAAAA 1800
Db 1741 ACACATGCTAATGCAACCGGCGGTGCGCAAAAGAAATTGAGTGAAGATGCACATGAAAA 1800
QY 1801 TAAGTAAATGCTTTGGCTTATCATCCCGCTTAATGCTCGACAGAAAAACGCTCGGT 1860
Db 1801 TAAGTAAATGCTTTGGCTTATCATCCCGCTTAATGCTCGACAGAAAAACGCTCGGT 1860
QY 1861 AGTCAAGTTGTGCTTAAACAACTGGGTTTACATGTAACAAACGCTTCATGCTTAGAAA 1920
Db 1861 AGTCAAGTTGTGCTTAAACAACTGGGTTTACATGTAACAAACGCTTCATGCTTAGAAA 1920
QY 1921 CGGCTTGGAGGATTAGATACAACTTCAATTTATCTTAGGGCCCTCCAAATATTGTGAG 1980
Db 1921 CGGCTTGGAGGATTAGATACAACTTCAATTTATCTTAGGGCCCTCCAAATATTGTGAG 1980
QY 1981 CTCCTAACTAGTTTATGTGTACGCTGAGGAGAGGAGGCTTAAATATTAATCTTTAG 2040
Db 1981 CTCCTAACTAGTTTATGTGTACGCTGAGGAGAGGAGGCTTAAATATTAATCTTTAG 2040
QY 2041 CTAAGCTGAAGAGAGAGCTATTTTCTTCTCCCAATACATGATAGATACAAATATGA 2100
Db 2041 CTAAGCTGAAGAGAGAGCTATTTTCTTCTCCCAATACATGATAGATACAAATATGA 2100
QY 2101 GAGAAAAATATATGAATGAAGAACACTTTACATGCGAGGCTTACATATGAGATTTTCA 2160
Db 2101 GAGAAAAATATATGAATGAAGAACACTTTACATGCGAGGCTTACATATGAGATTTTCA 2160
QY 2161 CTAAGAGCAACACTGATCTGTGTTGAAGGTCTCTAGTTGAGGTGGTGGATCTTTT 2220
Db 2161 CTAAGAGCAACACTGATCTGTGTTGAAGGTCTCTAGTTGAGGTGGTGGATCTTTT 2220
QY 2221 TAGTTGTAGTAGTGAAGACCTTAGTTAGTGTCTTTCTTCTGCTAGGTTTATGTTGG 2280
Db 2221 TAGTTGTAGTAGTGAAGACCTTAGTTAGTGTCTTTCTTCTGCTAGGTTTATGTTGG 2280
QY 2281 TTTTGGCTGCCAGTGTGAACAACTCAAGGTAAAGGTCCCATCTAATTTCTAAATGATGC 2340
Db 2281 TTTTGGCTGCCAGTGTGAACAACTCAAGGTAAAGGTCCCATCTAATTTCTAAATGATGC 2340
QY 2341 CAAATTAAGATGATTAAGATTAAACGAGGAAAACTCTAAATATAGATGGAAGTT 2400
Db 2341 CAAATTAAGATGATTAAGATTAAACGAGGAAAACTCTAAATATAGATGGAAGTT 2400

QY 2401 TTGTAGAGTAATAATTGGTATGAAGTGGCGAAGTTCGACCAACCAAAATTAAGAGTTA 2460
Db 2401 TTGTAGAGTAATAATTGGTATGAAGTGGCGAAGTTCGACCAACCAAAATTAAGAGTTA 2460
QY 2461 AATGCAATGTAGGCTCTTGTCTTGTCTGAGGTGCACTTAGGTCCAAACTCTCAAA 2520
Db 2461 AATGCAATGTAGGCTCTTGTCTTGTCTGAGGTGCACTTAGGTCCAAACTCTCAAA 2520
QY 2521 TTGCAATTTTGTACACCCCTAATGTTTCAAGTGTGCACTTAGATCTCAAACTCTCAAA 2580
Db 2521 TTGCAATTTTGTACACCCCTAATGTTTCAAGTGTGCACTTAGATCTCAAACTCTCAAA 2580
QY 2581 ATGCAATTTCTGATACCTTAGTGTGTTCAAGTGTGCTACTTAGGCAAGAAAGTTAGATA 2640
Db 2581 ATGCAATTTCTGATACCTTAGTGTGTTCAAGTGTGCTACTTAGGCAAGAAAGTTAGATA 2640
QY 2641 ATTTTGAATGCTATGGGACCAAAATTAATTTATGATGATGCTGCAACTAGTTGATGAT 2700
Db 2641 ATTTTGAATGCTATGGGACCAAAATTAATTTATGATGATGCTGCAACTAGTTGATGAT 2700
QY 2701 GATGGACCCCAATAAGACACTAGTTTCATGGGCTGGTTTCTTGTATAGTACTAGTAGT 2760
Db 2701 GATGGACCCCAATAAGACACTAGTTTCATGGGCTGGTTTCTTGTATAGTACTAGTAGT 2760
QY 2761 ATAACTTTTCAAGTTGTAGTACTACTTTAGCTTATATCTCCGCATATTACAAATCAATA 2820
Db 2761 ATAACTTTTCAAGTTGTAGTACTACTTTAGCTTATATCTCCGCATATTACAAATCAATA 2820
QY 2821 GAATTCGGAAGTACTATAAAGCGGAGCTTATAAATGGAGACGTTTTCATCATGAGGCTA 2880
Db 2821 GAATTCGGAAGTACTATAAAGCGGAGCTTATAAATGGAGACGTTTTCATCATGAGGCTA 2880
QY 2881 TAACTACTTGAACAAAACAGAGCGGCTGCGCATGGGCTCAGCAGGAGCAACACACA 2940
Db 2881 TAACTACTTGAACAAAACAGAGCGGCTGCGCATGGGCTCAGCAGGAGCAACACACA 2940
QY 2941 AGCACTGATCAGCAGCGGCTGCTGGATGCTCAGTCTCAGCTCCAGCTCTGGCACCACCTTGGGC 3000
Db 2941 AGCACTGATCAGCAGCGGCTGCTGGATGCTCAGTCTCAGCTCCAGCTCTGGCACCACCTTGGGC 3000
QY 3001 TATGTCAGTCCATCG 3016
Db 3001 TATGTCAGTCCATCG 3016

RESULT 3

US-10-425-115-151068
; Sequence 151068, Application US/10425115
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 151068
; LENGTH: 576
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MPT4577_69292C.1
US-10-425-115-151068

Query Match 4.0%; Score 120.8; DB 54; Length 576;
Best Local Similarity 66.9%; Pred. No. 3.3e-20;
Matches 198; Conservative 0; Mismatches 77; Indels 21; Gaps 1;
QY 278 AGAATGTTGATCTGGAGAGTTTGTGAGAATGTGACAAACACGGGAGGTCATATCAAGA 337

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Db      281  AGAATGTTGATCTACATAGGTTCTATGAGGATGGCAACAACACGAGGCTATATCAAGA 340
Qy      338  TTCTGGGTACCCGGGAGAAATCGGCCTCCATGTAGTTAGCCTCGTCAGGCATGGGGGAA 397
Db      341  CTCCTGGGTATACATGAGGAGAAATCGCTTCCATGTGGTTTGCCTCGTCAGGCATGGGGGAA 400
Qy      398  TTGGCTGAGATGCCCCCATGTA-----GTCTGTCAGGCATGGAGA 436
Db      401  TTGGCTGAGATGCCCCCATGTA-----GTCTGTCAGGCATGGAGA 460
Qy      437  GTACTGCTGAGATGCCCATTTGTTGTAGATCGAGAGAAACGAGAAAGAAATGCTAGTCTAA 496
Db      461  GAATTGGGTGAGATTGAGAGAAACGAGAGAAAGAAATGCTAATCTAATTAACCTTCCTGAT 520
Qy      497  TAATACCCCTCCGATGCTGTAACCAACTATTATTAATTTGCAACATTTTCAATGCT 552
Db      521  CTAGATGATAATTTGATGGAAACCAACTATTATTAATTAGCGCCATTTTTTCAAGGCT 576

RESULT 4
US-10-767-701-19690
; Sequence 19690, Application US/10767701
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 19690
; LENGTH: 622
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB5047-010-R1-XP1-B5
US-10-767-701-19690

Query Match          4.0%; Score 120.2; DB 62; Length 622;
Best Local Similarity 66.7%; Pred No. 5e-20;
Matches 198; Conservative 0; Mismatches 78; Indels 21; Gaps 1;

Qy      278  AGAATGTTGATCTGAGAGAAATTTGTGAGAAATGTGACAAACACGGGAGTCAATATCAAGA 337
Db      304  AGAATGTTGATCTACATAGGTTCTATGAGGATGGCAACAACACAGGCTATATCAAGA 363
Qy      338  TTCTGGGTACCCGGGAGAAATCGGCCTCCATGTAGTTAGCTTCGTCAGGCATGGGGGAA 397
Db      364  CTCCTGGGTACATGAGGAGAAATCGTCTTCATGTGGTTTGCCTCGTCAGGCATGGGGGAA 423
Qy      398  TTGGCTGAGATGCCCCCATGTA-----GTCTGTCAGGCATGGAGA 436
Db      424  TTGGCTGAGATGCCCCCATGTA-----GTCTGTCAGGCATGGAGA 483
Qy      437  GTACTGCTGAGATGCCCATTTGTTGTAGATCGAGAGAAACGAGAAAGAAATGCTAGTCTAA 496
Db      484  GAATTGGGTGAGATTGAGAGAAACGAGAGAAAGAAATGCTAATCTAATTAACCTTCCTGAT 543
Qy      497  TAATAACCCCTCCGATGCTAAACCAACTATTATTAATTTGGCAACATTTTCAAGTCTAA 553
Db      544  CTAGATGATAATTTGATGGAAACCAACTATTATTAATTTAGCGCCATTTTCAAGGCTAA 600

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; FILE REFERENCE: UH-03648
; CURRENT APPLICATION NUMBER: PCT/US99/05985A
; CURRENT FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 3688
; TYPE: DNA
; ORGANISM: Saccharum Hybrid Cultivar 32-8560
PCT-US99-05985-10

Query Match      3.9%; Score 118.6; DB 1; Length 3688;
Best Local Similarity 86.0%; Pred. No. 3.1e-19;
Matches 166; Conservative 0; Mismatches 24; Indels 3; Gaps 3;

QY      1451 AGTTTTCTAAGCCAGCTCTCAGTGGGTTTCATCAGAGTTTCATGGACATTAAATAAGCT 1510
      |||||
Db      1914 AGTTTCTGAGGCCCGTCTCTCAGT-GGATTTTCATCAGAGTTTCATGGACATTAAATAGGCT 1856

QY      1511 GATGTCACACCGTATTGATGAAGAGAGAGATGATAAGAGTTTCATCGGAGTAGAGAGAGT 1570
      |||||
Db      1855 GATGTGGCCACCGTATTGATGAAGAGAGAGATGATAAGAGTTTCATCGAATTAGAGAGAGT 1796

QY      1571 TTTCATGGGGATGAAACTCTT-CTTCACTGTTTCCAAAATAT-AGATGCATTTGTTAAAGAGG 1628
      |||||
Db      1795 TTTCACGAAGATGAAACTCTTCTCTGCACTGTTTCCAAAATATGGTTGCATTAAATACATG 1736

QY      1629 GCCATGAAATCTC 1641
      |||||
Db      1735 GCCATAAAATCC 1723

RESULT 6
PCT-US99-05985-3/c
; Sequence 3, Application PC/TUS9905985A
; GENERAL INFORMATION:
; APPLICANT: Albert, Henrik H.
; APPLICANT: Wei, Hairong
; TITLE OF INVENTION: PLANT PROMOTER SEQUENCES AND METHODS OF USE THEREOF
; FILE REFERENCE: UH-03648
; CURRENT APPLICATION NUMBER: PCT/US99/05985A
; CURRENT FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 3691
; TYPE: DNA
; ORGANISM: Saccharum Hybrid Cultivar H32-8560
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (9)
; OTHER INFORMATION: The residue in this position could be any
; OTHER INFORMATION: nucleotide.
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (3613)
; OTHER INFORMATION: The residue in this position could be any
; OTHER INFORMATION: nucleotide.
PCT-US99-05985-3

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Db 1795 TTACGAAGTGAACCTCTCTCTGCACTGTTTCCAAATATGGTGTGCATTAATACATG 1736
QY 1629 GCATGCAATCTC 1641
Db 1735 GCATAAATCC 1723

RESULT 7
PCT-US99-05985-8/c
; Sequence 8, Application PC/TUS9905985A
; GENERAL INFORMATION:
; APPLICANT: Albert, Henrik H.
; APPLICANT: Wei, Hairong
; TITLE OF INVENTION: PLANT PROMOTER SEQUENCES AND METHODS OF USE THEREOF
; FILE REFERENCE: UH-03648
; CURRENT APPLICATION NUMBER: PCT/US99/05985A
; CURRENT FILING DATE: 1999-03-18
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 5174
; TYPE: DNA
; ORGANISM: Saccharum Hybrid Cultivar H32-8560
PCT-US99-05985-8

Query Match 3.9%; Score 118.6; DB 1; Length 5174;
Best Local Similarity 86.0%; Pred. No. 3.7e-19;
Matches 166; Conservative 0; Mismatches 24; Indels 3; Gaps 3;
QY 1451 AGTTTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGACATTAATAAGCT 1510
Db 1914 AGTTTCTCAGGCCGCTCTCAGT-GGATTCATCAGAGTTTCATGACATTAATAAGCT 1856
QY 1511 GATGACACCGTATTGATGAAGAGAGATGATGAAGTTTCATCGGAGTAGAGAGT 1570
Db 1855 GATGTGGCACCGTATTGATGAAGAGAGATGATGAAGTTTCATGGAATTAGAGAGT 1796
QY 1571 TTCAATGGGATGAACCTCTTCTTCACTCTTCCAAATAT-AGATGCATTGGTAAAGG 1628
Db 1795 TTACGAAGTGAACCTCTCTCTGCACTGTTTCCAAATATGGTGTGCATTAATACATG 1736
QY 1629 GCATGCAATCTC 1641
Db 1735 GCATAAATCC 1723

RESULT 8
US-10-767-701-11451/c
; Sequence 11451, Application US/10767701
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 11451
; LENGTH: 1346
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-CLUS3954_1
US-10-767-701-11451

Query Match 3.3%; Score 100.8; DB 62; Length 1346;
Best Local Similarity 70.2%; Pred. No. 9.4e-15;
Matches 160; Conservative 0; Mismatches 47; Indels 21; Gaps 1;
QY 1455 TTCTAAGCCAGTCTCAGTGGGGTTTTCATCAGAGTTTCATGACATTAATAAGCTGATG 1514

Db 1291 TACTAAGCCAGGCTCAATGGAGTTTCATGAGAGTTTCATGCACATTAATAATGCTGATG 1232
QY 1515 TCACACCGTATTGATGAAGAGAGATGATGAAGAGTTTCATGCGAGTAGAGAGATTCA 1574
Db 1231 TGGCGCTATAGTAATGAAGAGAGATGATGAAGAGTTTATCC----- 1189
QY 1575 TGGGGATGAACCTCTTCTTCACTGTTTCCAAATATAGATGATGGTAAGAGGGCCATG 1634
Db 1188 ----CATGAACTCTAATGCCACTGTTTCCAAATATACAGATGTGTGAAACTGGGCTATG 1133
QY 1635 AAATCTTAGTACACTGACCTAAGATGAGATTTGACTTAGCACTATG 1692
Db 1132 AAATGCCATTGAGGATGCGCTAAGAGGAGTTTCTACGAGATTAATG 1085

RESULT 9
US-09-850-147-6517/c
; Sequence 6517, Application US/09850147
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D.
; TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
; FILE REFERENCE: 38-21(51914)B
; CURRENT APPLICATION NUMBER: US/09/850,147
; PRIOR FILING DATE: 2001-05-08
; PRIOR APPLICATION NUMBER: US 60/202,213
; PRIOR FILING DATE: 2000-05-08
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: US 09/684,016
; PRIOR FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 18014
; SEQ ID NO 6517
; LENGTH: 398
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; OTHER INFORMATION: Clone ID: LIB3478-007-P1-K1-B12
US-09-850-147-6517

Query Match 3.2%; Score 96.4; DB 36; Length 398;
Best Local Similarity 79.4%; Pred. No. 7.5e-14;
Matches 127; Conservative 0; Mismatches 31; Indels 2; Gaps 1;
QY 1449 GTAGGTTTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGACATTAATAAG 1508
Db 158 GGAGGCATACAGTCTCTGTGTAGGCCACTCTCAATGGAGTTTCATTAATAATATG 99
QY 1509 CTGATGTGACACCGTATTGATGAAGAGAGATGATGAAGAGTTTCATGCGAGTAGAGAGA 1568
Db 98 CTGA--TGGCACCGTATTGATGAAGAGAGATGATGAAGAGTTTCATGGAAGTAGAGAGA 41
QY 1569 GTTTCATGGGATGAACCTCTTCTTCACTGTTTCCAAAT 1608
Db 40 GTTTATGGGATGAACCTCTTCTGCACTATTTCCTCAAAAT 1

RESULT 10
US-10-767-701-18110/c
; Sequence 18110, Application US/10767701
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 18110
; LENGTH: 398

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; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3478-007-P1-K1-B12
US-10-767-701-18110

Query Match          3.2%; Score 96.4; DB 62; Length 398;
Best Local Similarity 79.4%; Pred. No. 7.5e-14;
Matches 127; Conservative 0; Mismatches 31; Indels 2; Gaps 1;

QY 1449 GTAGGTTTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGGACATTAATAAG 1508
Db 158 GGAGGCATACAAAGTGCTCTGTAGGCCACTCTCAATGGAGTTTCATTAAACATTAATATG 99
QY 1509 CTGATGTGACACCGTATTGATGAAGAGAGAGATGAAGAGTTTCATGCGAGTAGAGAGA 1568
Db 98 CTGA--TGGCACCGTATTAAATGAAGAGAGAGATGAAGAGTTTCATGGAAGTAGAGAGA 41
QY 1569 GTTTCATGGGATGAACCTCTTCTTCACTGTTCCTCCAAAAT 1608
Db 40 GTTTTATGGGATGAACCTCTTCTGCACTATTTCCTCCAAAAT 1

RESULT 11
US-60-202-213-6504/c
; Sequence 6504, Application US/60202213
; GENERAL INFORMATION:
; APPLICANT: Andersen, Scott E.
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
; FILE REFERENCE: 38-21(51914)A
; CURRENT APPLICATION NUMBER: US/60/202,213
; CURRENT FILING DATE: 2000-05-08
; NUMBER OF SEQ ID NOS: 17986
; SEQ ID NO 6504
; LENGTH: 398
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; OTHER INFORMATION: Clone ID: LIB3478-007-P1-K1-B12
US-60-202-213-6504

Query Match          3.2%; Score 96.4; DB 89; Length 398;
Best Local Similarity 79.4%; Pred. No. 7.5e-14;
Matches 127; Conservative 0; Mismatches 31; Indels 2; Gaps 1;

QY 1449 GTAGGTTTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGGACATTAATAAG 1508
Db 158 GGAGGCATACAAAGTGCTCTGTAGGCCACTCTCAATGGAGTTTCATTAAACATTAATATG 99
QY 1509 CTGATGTGACACCGTATTGATGAAGAGAGAGATGAAGAGTTTCATGCGAGTAGAGAGA 1568
Db 98 CTGA--TGGCACCGTATTAAATGAAGAGAGAGATGAAGAGTTTCATGGAAGTAGAGAGA 41
QY 1569 GTTTCATGGGATGAACCTCTTCTTCACTGTTCCTCCAAAAT 1608
Db 40 GTTTTATGGGATGAACCTCTTCTGCACTATTTCCTCCAAAAT 1

RESULT 12
US-09-654-617-455751/c
; Sequence 455751, Application US/09654617
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/654,617
; CURRENT FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 455751
; LENGTH: 404
; TYPE: DNA
; ORGANISM: Sorghum bicolor
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; ORGANISM: Sorghum bicolor
US-09-654-617-455751

Query Match          3.2%; Score 96.4; DB 29; Length 404;
Best Local Similarity 79.4%; Pred. No. 7.5e-14;
Matches 127; Conservative 0; Mismatches 31; Indels 2; Gaps 1;

QY 1449 GTAGGTTTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGGACATTAATAAG 1508
Db 164 GGAGGCATACAAAGTGCTCTGTAGGCCACTCTCAATGGAGTTTCATTAAACATTAATATG 105
QY 1509 CTGATGTGACACCGTATTGATGAAGAGAGAGATGAAGAGTTTCATGCGAGTAGAGAGA 1568
Db 104 CTGA--TGGCACCGTATTAAATGAAGAGAGAGATGAAGAGTTTCATGGAAGTAGAGAGA 47
QY 1569 GTTTCATGGGATGAACCTCTTCTTCACTGTTCCTCCAAAAT 1608
Db 46 GTTTTATGGGATGAACCTCTTCTGCACTATTTCCTCCAAAAT 7

RESULT 13
US-09-684-016-455751/c
; Sequence 455751, Application US/09684016
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Liu, Jingdong
; TITLE OF INVENTION: Annotated Plant Genes
; FILE REFERENCE: 38-21(15097)D
; CURRENT APPLICATION NUMBER: US/09/684,016
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/654,617
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 463173
; SEQ ID NO 455751
; LENGTH: 404
; TYPE: DNA
; ORGANISM: Sorghum bicolor
US-09-684-016-455751

Query Match          3.2%; Score 96.4; DB 31; Length 404;
Best Local Similarity 79.4%; Pred. No. 7.5e-14;
Matches 127; Conservative 0; Mismatches 31; Indels 2; Gaps 1;

QY 1449 GTAGGTTTCTAAGCCAGTCTCAGTGGGGTTTCATCAGAGTTTCATGGACATTAATAAG 1508
Db 164 GGAGGCATACAAAGTGCTCTGTAGGCCACTCTCAATGGAGTTTCATTAAACATTAATATG 105
QY 1509 CTGATGTGACACCGTATTGATGAAGAGAGAGATGAAGAGTTTCATGCGAGTAGAGAGA 1568
Db 104 CTGA--TGGCACCGTATTAAATGAAGAGAGAGATGAAGAGTTTCATGGAAGTAGAGAGA 47
QY 1569 GTTTCATGGGATGAACCTCTTCTTCACTGTTCCTCCAAAAT 1608
Db 46 GTTTTATGGGATGAACCTCTTCTGCACTATTTCCTCCAAAAT 7

RESULT 14
US-10-767-701-10015
; Sequence 10015, Application US/10767701
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 10015
; LENGTH: 1318
; TYPE: DNA
; ORGANISM: Sorghum bicolor
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; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-CLUS4887_1
US-10-767-701-10015

Query Match      3.0%; Score 89.4; DB 62; Length 1318;
Best Local Similarity 80.2%; Pred. No. 9.4e-12;
Matches 105; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

QY 1456 TCTAAGCCAGTCTCAGTGGGTTTCATCAGAGTTTCATGGACATTAAATAAGCTGATGT 1515
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1188 TCTAGACCGGTCTCAATGGAGTTTCATTAAATTCATGCACATTAAATATGTTAATGT 1247

QY 1516 GACACCGTATTGATGAAGAGAGAGATGATAAGAGTTTCATGCGAGTAGAGAGAGTTTCAT 1575
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1248 TGCATTGTATTAAATGAAGAGAGAGATGATAAGAGTTTCATGGAAGCAGAGAGAGTTTAT 1307

QY 1576 GGGGATGAAC 1586
    ||| ||| |||
Db 1308 CATCATAAAC 1318
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RESULT 15
US-10-425-115-42192
; Sequence 42192, Application US/10425115
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(5322)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 42192
; LENGTH: 2032
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_138478C.1
US-10-425-115-42192
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Query Match      3.0%; Score 89.4; DB 54; Length 2032;
Best Local Similarity 68.9%; Pred. No. 1.2e-11;
Matches 151; Conservative 0; Mismatches 66; Indels 2; Gaps 2;

QY 1457 CTAAGCCAGTCTCAGTGG-GGTTTCATCAGAGTTTCATGGACATTAAATAAGCTGATGT 1515
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 498 CTAAGACTAGTCTCTGTGGTGGTTCCAGAGAGGATTATGGCAITTAATAATGTTGATGT 557

QY 1516 GACACCGTATTGATGAAGAGAGATGATAAGAGTTTCATGCGAGTAGAGAGAGTTTCAT 1575
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 558 GGCATATTATTACGAAAGAGATAGGTAAAGTTTTATCGAATGAATGAGTTCAC 617

QY 1576 GGG-GATGAACTCTTCTTCTTCTTCCAAATATAGATGATGTTGGTAAGAGGGCCATG 1634
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 618 GGGCGATGAACTTATGTGCTGCTTCTTCAATATCGGAGTCTTGGGAACATTGACATA 677

QY 1635 AAATCTCTAGTGACACTGACCTAAGATGAGATGACTCT 1673
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 678 AAATCCCACTGAAACTGGCCCTAATAATAAAGCTAATCT 716
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